

OP04-1077

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**PCT REQUEST**

Original (for SUBMISSION)

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| <b>0</b>     | <b>For receiving Office use only</b>   |  |
| <b>0-1</b>   | International Application No.  |  |
| <b>0-2</b>   | International Filing Date  |  |
| <b>0-3</b>   | Name of receiving Office and "PCT International Application"   |  |
| <b>0-4</b>   | <b>Form PCT/RO/101 PCT Request</b>   |  |
| <b>0-4-1</b> | Prepared Using   | PCT-SAFE [EASY mode]<br>Version 3.50 (Build 0002.162)  |
| <b>0-5</b>   | <b>Petition</b><br>The undersigned requests that the present International application be processed according to the Patent Cooperation Treaty |  |
| <b>0-6</b>   | <b>Receiving Office (specified by the applicant)</b>   | Korean Intellectual Property Office (RO/KR)  |
| <b>0-7</b>   | <b>Applicant's or agent's file reference</b>   | OP04-1077  |
| <b>I</b>     | <b>Title of Invention</b>  | MOLECULAR MARKER ASSOCIATED WITH CMV RESISTANCE AND USE THEREOF  |
| <b>II</b>    | <b>Applicant</b>   |  |
| <b>II-1</b>  | This person is   | applicant only   |
| <b>II-2</b>  | Applicant for  | all designated States except US  |
| <b>II-4</b>  | Name   | FNP CORP., LTD.  |
| <b>II-5</b>  | Address  | 91-483, Chung-Buk National University<br>San 48, Gaeshin-dong, Heungduk-gu,<br>Cheongju, Chungcheongbuk-dol36-791<br>Republic of Korea |
| <b>II-6</b>  | State of nationality   | KR   |
| <b>II-7</b>  | State of residence   | KR   |
| <b>II-8</b>  | Telephone No.  | 82-31-298-3843   |
| <b>II-9</b>  | Facsimile No.  | 82-31-298-3846   |

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|---------|---------------------------|--|
| III-1   | Applicant and/or inventor |  |
| III-1-1 | This person is            | applicant and inventor   |
| III-1-2 | Applicant for             | US only  |
| III-1-4 | Name (LAST, First)        | KIM, Shinje  |
| III-1-5 | Address                   | LD Kolon Apt. #105-1404,<br>890 Guun-dong, Gwonseon-gu,<br>Suwon, Gyeonggi-do441-734<br>Republic of Korea                            |
| III-1-6 | State of nationality      | KR   |
| III-1-7 | State of residence        | KR   |
| III-2   | Applicant and/or inventor |  |
| III-2-1 | This person is            | applicant and inventor   |
| III-2-2 | Applicant for             | US only  |
| III-2-4 | Name (LAST, First)        | HWANG, Ju-Kwang  |
| III-2-5 | Address                   | Hanjin Shinsaedae Apt. #909,<br>Gaesin-dong, Heungdeok-gu,<br>Cheongju, Chungcheongbuk-do361-750<br>Republic of Korea                |
| III-2-6 | State of nationality      | KR   |
| III-2-7 | State of residence        | KR   |
| III-3   | Applicant and/or inventor |  |
| III-3-1 | This person is            | applicant and inventor   |
| III-3-2 | Applicant for             | US only  |
| III-3-4 | Name (LAST, First)        | KIM, Goon-Bo   |
| III-3-5 | Address                   | Dongwon Villa #102,<br>949-3 Guun-dong, Gwonseon-gu,<br>Suwon, Gyeonggi-do441-340<br>Republic of Korea                               |
| III-3-6 | State of nationality      | KR   |
| III-3-7 | State of residence        | KR   |
| III-4   | Applicant and/or inventor |  |
| III-4-1 | This person is            | applicant and inventor   |
| III-4-2 | Applicant for             | US only  |
| III-4-4 | Name (LAST, First)        | KIM, Su  |
| III-4-5 | Address                   | Bunpyeong Jugong 2-Dangee Apt. #213-905,<br>Bunpyeong-dong, Heungdeok-gu,<br>Cheongju, Chungcheongbuk-do361-201<br>Republic of Korea |
| III-4-6 | State of nationality      | KR   |
| III-4-7 | State of residence        | KR   |

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|        |   |   |
|--------|---|---|
| IV-1   | Agent or common representative; or address for correspondence<br>The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:  | agent   |
| IV-1-1 | Name (LAST, First)  | KIM, Seog-Hyun  |
| IV-1-2 | Address   | 9th Floor, Daekyung Building,<br>2-ka, Taepyung-ro, Chung-ku,<br>Seoul 100-724<br>Republic of Korea |
| IV-1-3 | Telephone No.   | 82-2-772-2786   |
| IV-1-4 | Facsimile No.   | 82-2-772-2800   |
| IV-1-5 | e-mail  | kimsh@hmpj.com  |
| V      | DESIGNATIONS  |   |
| V-1    | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.  |   |
| V-2    | Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help. | KR  |
| VI-1   | Priority claim of earlier national application  |   |
| VI-1-1 | Filing date   | 27 October 2003 (27.10.2003)  |
| VI-1-2 | Number  | 10-2003-0075272   |
| VI-1-3 | Country   | KR  |
| VI-2   | Priority document request<br>The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):  | VI-1  |
| VII-1  | International Searching Authority Chosen  | Korean Intellectual Property Office (ISA/KR)  |

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|-------------------|--|--|------------------------------------|
| <b>VIII</b>       | <b>Declarations</b>  | <b>Number of declarations</b>  |                                    |
| VIII-1            | Declaration as to the identity of the inventor   | -  |                                    |
| VIII-2            | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | -  |                                    |
| VIII-3            | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | -  |                                    |
| VIII-4            | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | -  |                                    |
| VIII-5            | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | -  |                                    |
| <b>IX</b>         | <b>Check list</b>  | <b>number of sheets</b>  | <b>electronic file(s) attached</b> |
| IX-1              | Request (including declaration sheets)   | 5  | ✓                                  |
| IX-2              | Description (excluding sequence listing part)  | 20   | -                                  |
| IX-3              | Claims   | 3  | -                                  |
| IX-4              | Abstract   | 1  | ✓                                  |
| IX-5              | Drawings   | 8  | -                                  |
| IX-7a             | Sub-total number of sheets   | 37   |                                    |
| IX-8a             | Sequence listing part of description   | 13   | -                                  |
| IX-7              | <b>TOTAL</b>   | <b>50</b>  |                                    |
|                   | <b>Accompanying Items</b>  | <b>paper document(s) attached</b>  | <b>electronic file(s) attached</b> |
| IX-8              | Fee calculation sheet  | ✓  | -                                  |
| IX-9              | Original separate power of attorney  | ✓  | -                                  |
| IX-16(A)          | Sequence listing in computer readable form   |  |                                    |
| IX-16(A)<br>-(ii) | additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter                    | -  | 1 Diskette                         |
| IX-17             | PCT-SAFE physical media  | -  | ✓                                  |
| IX-19             | Figure of the drawings which should accompany the abstract   | Fig. 7   |                                    |
| IX-20             | Language of filing of the international application  | Korean   |                                    |
| X-1               | Signature of applicant, agent or common representative   |  |                                    |
| X-1-1             | Name (LAST, First)   |  |                                    |
| X-1-2             | Name of signatory  |  |                                    |
| X-1-3             | Capacity   |  |                                    |

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## FOR RECEIVING OFFICE USE ONLY

|        |   |        |
|--------|---|--------|
| 10-1   | Date of actual receipt of the purported international application   |        |
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/KR |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

## FOR INTERNATIONAL BUREAU USE ONLY

|      |  |  |
|------|--|--|
| 11-1 | Date of receipt of the record copy by the International Bureau |  |
|------|--|--|

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**PCT REQUEST (ANNEX - FEE CALCULATION SHEET)**

Original (for SUBMISSION)

(This sheet is not part of and does not count as a sheet of the International application)

|        |   |   |
|--------|---|---|
| 0      | For receiving Office use only                 |   |
| 0-1    | International Application No.                 |   |
| 0-2    | Date stamp of the receiving Office            |   |
| 0-4    | Form PCT/RO/101 (Annex)                       |   |
| 0-4-1  | PCT Fee Calculation Sheet Prepared Using      | PCT-SAFE [EASY mode]<br>Version 3.50 (Build 0002.162) |
| 0-9    | Applicant's or agent's file reference         |   |
| 2      | Applicant                                     |   |
| 12     | Calculation of prescribed fees                |   |
| 12-1   | Transmittal fee T                             | fee amount/multiplier                                 |
| 12-2-1 | Search fee S                                  | fee amount/multiplier                                 |
| 12-2-2 | International search to be carried out by     | KR  |
| 12-3   | International filing fee (first 30 sheets) I1 | 1329000   |
| 12-4   | Remaining sheets                              | 20  |
| 12-5   | Additional amount (X) 14000                   |   |
| 12-6   | Total additional amount I2                    | 280000  |
| 12-7   | I1 + I2 = I                                   | 1609000   |
| 12-12  | EASY Filing reduction R                       | - 95000   |
| 12-13  | Total International filing fee (I-R) I        | 1514000   |
| 12-14  | Fee for priority document                     |   |
| 12-15  | Number of priority documents requested        | 1   |
| 12-15  | Fee per document (X) 0                        |   |
| 12-16  | Total priority document fee: P                |   |
| 12-17  | TOTAL FEES PAYABLE (T+S+H+P)                  | 1784000   |
| 12-19  | Mode of payment                               | cash  |